

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054093 A1

(51) International Patent Classification⁷: B65G 19/14

(21) International Application Number:
PCT/NL2004/000840

(22) International Filing Date: 2 December 2004 (02.12.2004)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1024940 3 December 2003 (03.12.2003) NL
1025855 31 March 2004 (31.03.2004) NL

(71) Applicant and

(72) Inventor: RAJMAKERS, Léon, Fatima, Peter, Hendrik, Lambert [NL/NL]; Cellostraat 21, NL-5402 AA Uden (NL).

(74) Agent: DE HOOP, Eric; Octrooibureau Vriesendorp & Gaade, P.O. Box 266, NL-2501 AW Den Haag (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

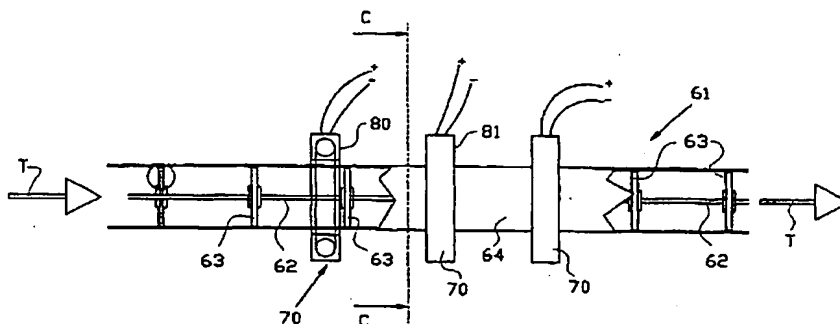
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CONVEYOR FOR MATERIAL WITH MAGNETICALLY DRIVEN FLIGHTS IN A TUBE



(57) Abstract: The invention relates to a conveyor for material, comprising a circulating tube (64) circuit, a series of conveyor flights (63) placed so as to be movable in the circulating tube circuit, comprising one or more first conveyor flights comprising a component made of an electrically conductive and/or magnetic material, one or more spacers (62) for spacing apart the conveyor flights in the circulating tube circuit, and a drive mechanism comprising a number of coils (70) placed successively along a drive member of the circulating tube circuit, which coils generate a varying magnetic field within a drive path for driving the first conveyor flights situated within the drive path in a drive direction.

WO 2005/054093 A1